

The Standard

LOC

Make	Textron Lycoming		
Model	IO-540-K1G5D	Тур	e Certificate
Serial#	L-20794-48E	INSTALLED IN	NZYMT
		Oil Grade: Summer	Winter
Magneto Time _		Point Setting	Firing Order
Spark Plug Gap			
Manufacturer's F	Recommended Overhaul at	hours	

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YEAR 20 DATE			TOTAL TIME IN SERVICE	Description of Inspecti Entries must be endorsed v Repair Facility. (See back p	vith Name, Rating and Certi	ficate Number of Technician or	YEAR 20 DATE	TIME	FLIGHT	TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	On the accordance out at with a magninew	irport Rd ox 623 ett. MO c 88-5846 jewellavi his date dance clist. D nd mag no crac tetic par main a	e received with Lyc bisassemble maflux installed inspe- cian connections	engine for prop streeming Service Bulled engine and cleane spection on crankshall kcase was dye penetection. Reassembled ecting rod bearings, rollers, plates and	letin 533C dated 1 d all parts for inspect th, it was found to be trant inspected and sengine I/A/W SB24C connecting rod be snap rings, crankshar	Textron Lycoming 1O-540-K1G5D L-20794-48E 9/19/2017 ————————————————————————————————————		2015-02- Lycomin	-07 reii g Overl	nstallation naul Mar	see form 8130-3. Complied with SB 475C dated 1/30/2003, AD /2004, crankshaft gear inspection and replacement of bolt and AD in of fuel injector lines. All work done in accordance with nual and Service Instructions. See checklist from SB533C. This ready for test run. Run engine in accordance with Lycoming 3 dated 2/8/1993

YEAR 20 DATE		nd Certificate Number of Technician or fic entries.)	YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	12-5-17 N24MT S/N 32R 7780523 Tach 4792.3 Reinstalled engine using new mount bolts and nuts, new engine baffling, repaired muffler heat muff, new exhaust gaskets. Replaced alternator, air-conditioner belts with new. Serviced engine with 12 qts Aero Shell 50 M oil. Engine ground ran leak checked, all temps and pressures were normal. AD 2005-12-16 complied with mag O/H 7-19-15 Tach 4745.4 due 5245.4, AD 2015-12-06 fuel injection lines inspection, no defects noted at this time. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition. Charles L Troutman 2015770 A&P, IA			12/27, Hobbs Tach	/2017 55405.7 4797.4	Flow direction over Reinsta service	vider P/N 2524323-2 fuel servo P/N 2524273-12 removed rhaul and repair by Aircraft Accessories of Oklahoma. Iled, leak checked, ops checked. Aircraft returned to ss L Troutman 2015770 AP

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	37	3/19/20 ach Hobbs ISMOH	4817.0 5427.0 822.1 F	Preformed annual inspection. Compression checked engine \$\frac{41}{178/80} \#2 \textit{79/80} \#3 \textit{78/80} \#4 \textit{79/80} \#6 \textit{78/80}. \$\frac{18}{279/80} \#6 \textit{78/80}. \$\frac{18}{276/80} \textit{78/80}. \$\frac{18}{276/80} \textit{78/80}. \$\frac{18}{276/80} \textit{79/80}. \$\frac{18}{276/

EAR 0 ATE	RECORDING TODAY'S FLIGHT TIME IN SERVICE TODAY'S FLIGHT TIME IN SERVICE Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Repair Facility. (See back pages for other specific entries.)						
		Xpress	Aircraft Ma	intenance 2701 Spence Place, Knoxville TN 37920 N24MT Engine Entry			
	Date 4/1	4/2020		TTSN: 4806.9 Tach: 4847.2			
L	ycoming IO-5	40-K1G5I	S/N L-2079	94-48E TSO: 852.3 Hobbs: 5459.5			
p.	lugs. Check m	ag time to	engine. Serv	A48103-2 and serviced sump with 11 quarts AS100W. Serviced spark riced fuel injectors. Serviced oil sump finger screen. R/R crankshaft Operational and leak checks good.			
				RWORTHY CONDITION IN REGARDS TO WORK PERFORMED TO SERVICE.			
				Ryan Adam Bratcher A&P 3349981 IA			
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RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)			Xpress Aircraft Maintenance 2701 Spence Place, Knoxville TN 37920 N24MT Engine Entry
Lycoming IO R/R 6 bottom check good.	/21/2020 -540-K10 and 1 top	G5D S/N L- o spark plug	Maintenance 2701 Spence Place, Knoxville TN 37920 N24MT Engine Entry TTSN: 4807.7 Tach: 4848 20794-48E TSO: 853.1 Hobbs: 5460.6 gs with 7 each new Tempest P/N URHM38E. Ground ran. Operational AIRWORTHY CONDITION IN REGARDS TO WORK PERFORMED RN TO SERVICE. Ryan Adam Bratcher A&P 3349981 IA			C/W 100hr/Annual Inspection IAW FAR 43.D. C/W Compression check, #1 70/80; #2 74/80; #3 68/80; #4 76/80; #5 70/80; #6 72/80. Drained oil. Removed, cut and inspected oil filter. No defects noted. Installed new Tempest oil filter P/N AA48103-2 and serviced sump with 11 quarts AS100W. Serviced spark plugs. Serviced fuel injectors. Serviced oil sump finger screen. Removed mag. R/R contacts with 2ea. new P/N 10-382585, reinstalled and set mag to engine timing. Checked and torqued rocker box covers. Ground ran. Operational and leak check good. I CERTIFY THIS ENGINE IS IN AIRWORTHY CONDITION IN REGARDS TO WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE. Ryan Adam Bratcher A&P 3349981 IA

Xpress Aircraft Maintenance 2701 Spence Place, Knoxville TN 37920 N24MT Engine Entry Date 1/13/2022 Lycoming IO-540-K1G5D S/N L-20794-48E Drained oil. Removed, cut and inspected oil filter. No defects noted. Installed new Tempest oil filter P/N AA48103-2 and serviced sump with 11 quarts AS100W. Ground ran. Leak check good. I CERTIFY THIS ENGINE IS IN AIRWORTHY CONDITION IN REGARDS TO WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE. Ryan Adam Bratcher A&P 3349981 IA	ician or	TA	Xpress Aircraft Maintenance 2701 Spence Place, Knoxville TN 37920 N24MT Engine Entry Date 5/20/2022 TTSN: 4919.5 Lycoming IO-540-K1G5D S/N L-20794-48E C/W 100hr/Annual Inspection IAW FAR 43.D. C/W Compression check, #1 72/80; #2 72/80; #3 74/80; #4 73/80; #5 72/80; #6 71/80. Drained oil. Removed, cut and inspected oil filter. No defects noted. Installed new Tempest oil filter P/N AA48103-2 and serviced sump with 11 quarts AS100W. Serviced spark plugs. Check mag time to engine. Serviced fuel injectors. Serviced oil sump finger screen. R2 LH oil cooler w/new P/N 8001201 S/N 368. Cleaned fuel servo inlet screen. Re-torqued rocker box cover screws. Ground ran. Operational and leak checks good. I CERTIFY THIS ENGINE IS IN AIRWORTHY CONDITION IN REGARDS TO WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE. Ryan Adam Bratcher A&P 3349981 IA

YEAR 20 DATE	Xpress Aircraft Maintenance 2701 Spence Place, Knoxville TN 37920 N24MT Engine Entry Date 12/19/2022 TTSN: 4956.7 Lycoming IO-540-K1G5D S/N L-20794-48E TSO: 1002.1 Hobbs: 5620 Drained oil. Removed, cut and inspected oil filter. No defects noted. Installed new Tempest oil filter P/N AA48103-2 and serviced sump with 11 quarts AS15W50. Rigged fuel system. Ground ran, operational & leak check good. I CERTIFY THIS ENGINE IS IN AIRWORTHY CONDITION IN REGARDS TO WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE. Ryan Adam Bratcher A&P 3349981 IA	nician or	YEAR 20 DATE	RECORI TACH TIME	wo: D23115 Engine · page 1 of 1 Xpress Aircraft Maintenance, LLC · 2701 Spence Place · Knoxville, TN 37920 · 865-850-8215 N24MT TACH: 4997.9 S/N: ENGINE SN TBD May 24, 2023 1. C/W ANNUAL/100HR INSPECTION. 2. C/W COMPRESSION CHECK 1- 72/80 2 - 74/80 3 - 72/80 4 - 68/80 5 - 73/80 6 - 73/80. 3. OIL & FILTER CHANGED Installed P/N AA48103-2 - OIL FILTER, Installed P/N MS35769-24 - GASKET, Installed (11) P/N ASW100 - OIL. 4. SERVICED SPARK PLUGS Removed, cleaned, inspected, tested and reinstalled spark plugs. No defects noted. 5. TIMED MAGS TO ENGINE. 6. SERVICED FUEL INJECTORS.	nnician or
					7. CHECKED & TORQUED ROCKER BOX COVERS With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Xpress Aircraft Maintenance, LLC under work order: D23115. Ryan Adam Bratcher A&P IA 3349981	

wo: D23283 Engine - page 1 of 1	ns er of Technician or	YEAR 20TACI TIME	CH CHICAGO
N24MT LYCOMING, IO-540-K1G5D, S/N: L-20704-48E September 11, 2023 TACH: 5039.0 1. Drained oil. Removed, cut and inspected filter. No discrepancies found. Installed new filter and serviced sump with new oil. Installed P/N AA48103-2 - OIL FILTER, Installed (11) P/N ASW100 - OIL. 2. R&R Vacuum pump gasket. Installed P/N 8313 - GASKET VAC PUMP, Installed P/N MS35769-10 - GASKET. With respect to the work performed, this engine is approved for return to service.			N24MT TACH: 5077.5 1. C/W Engine 100hr Inspection IAW FAR 43.D. 2. Compression Check 1. 76/80 2. 78/80 3. 75/80 4. 76/80 5. 76/80 6. 75/80. 3. Ground ran engine to warm oil. Drained oil and collected sample. Removed, cut and inspected oil filter, no discrepancies found. Serviced sump with new oil and installed new oil filter. Leak check good. Installed P/N AA48103-2 - OIL FILTER, Installed (11) P/N ASW100 - OIL. 4. R, C, & I Spark Plugs. No Discrepancies Found. Gapped Plugs As Needed. Installed (12) P/N U674 - Spark plug gasket. 5. Verified magneto to engine timing. Adjusted as needed. 6. Serviced fuel injectors. 7. Torqued rocker box covers. 8. R&R #2, 4 & 6 EGT Probe w/new. Installed (3) P/N 2870 - Insight EGT Probe. With respect to the work performed, this ENGINE is approved for return to service.
			Ryan Adam Bratcher A&P IA 3349981

TA	CO A	vo: D25203		₩	Engine · page 1 of 1	echnician o			
	- L	Xpress Aircraft Maintenance, LLC · 2701 Spence Place · Knoxville, TN 37920 · 865-850-8215							
-		124MT FACH: 5103.1	LYCOMING, IO)-540-K1G5D, S/N: L-20704-48E	August 14, 2025				
-		2025-16. See	AD compliance list	AW FAR 43.D. All ADs complied with t for details. st #1.)74/80 #2.) 72/80 #3.) 76/80 #4.)		-			
		 Ground ran er no discrepand 	ngine to warm oil. D	Drained oil and collected sample. Remo d sump with new oil & installed new fill	oved cut & inspected oil filter,				
	_	 R, C, & I spark plugs. No discrepancies found. Gapped plugs as needed. Installed (6) P/N U674 - Spark plug gasket, installed (12) P/N U674 - Spark plug gasket. 							
_	_		gine to magneto tim	ning. Adjusted as needed.		-			
		7. Check and too 8. C/W 2011-15-	qued rocker cover I 10 by Visual Inspec 07 by Visual Inspe	boxes. ction, no defects noted. ection, no defects noted. 10.C/W AD 7	6-07-12 by functional check,				
-	— Al	l Work Performed rmed, this ENGINI	in Reference with E is approved for re	Applicable Maintenance Manuals. Waturn to service.	fith respect to the work per-				
	— R	yan Adam Bratche	r A&P IA 3349981	Ma Pla Bat		-			